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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/393,126 09/10/99 AIELLO

R FANT-99-002

EXAMINER

WM01/0508

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ART UNIT

PAPER NUMBER

2664

DATE MAILED:

05/08/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

# Office Action Summary

Application No.

09/393,126

Applicant(s)

AIELLO et al.

Examiner

MAIKHANH T. TRAN

Art Unit

2664

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 26 February 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1,2,4,6-8,10-14 and 16-103 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 51-75, 88-89, and 93-103 is/are allowed.
- 6) ☒ Claim(s) 1,2,4,6,10-14,16-19,27,42,50,76-79,83 and 84 is/are rejected.
- 7) ☐ Claim(s) 7,8,20-26,28-41,43-49,80-82,85-87 and 90-92 is/are objected to.
- 8) ☐ Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 7.
- 18) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other:

## DETAILED ACTION

### *Response to Amendment*

1. Applicant's response filed on 02/26/01 has been fully considered and made of record. By this amendment, claims 3, 5, 9 and 15 have been canceled; claims 1, 4, 10 have been amended, claims 17-103 have been added. Claims 1-2, 4, 6-8, 10-14, 16-103 are now pending.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claim 16 is rejected under 35 U.S.C. 102(b) as being anticipated by Bauchot et al (U.S. 5,644,576).

Bauchot et al, in abstract, summary, figs. 1, 1A and 7, col. 4, line 51--> col. 6, line 61, col. 8, lines 6-40; col. 6, lines 57-61, teach a method for providing wireless network communication comprising steps (a)-(g) as recited in the claim.

### *Allowable Subject Matter*

4. The indicated allowability of claims 3 and 9 is withdrawn in view of the newly discovered reference(s) to Paneth et al. (U.S. 6,014,374). Rejections based on the newly cited reference(s) follow.

***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

6. Claims 1, 2, 4, 6, 10-14, 17-19, 27, 42, 50 and 76-79, 83-84 are rejected under 35 U.S.C. 102(e) as being anticipated by Paneth et al (U.S. 6,014,374).

- As to claims 1, 10, 17 and 76, Paneth et al., in figs. 1, 4 and the description associated with the figures disclose a wireless communication network system comprising at least three transceivers, each transceiver having a transmitter and a receiver, one of said transceivers (inside 11) being structured and configured as a master device, said master device structured and configured to manage data transmission between said master device and said at least two other transceivers and data transmission between said at least two other transceivers. Moreover, in Paneth et al., each said transceiver further comprises a framing controller having means for generating and maintaining time frame information for said network system and each slave transceiver comprises a local clock, said master transceiver comprises a master clock therein each said local clock synchronized with said master clock (see col. 10, line 1- col. 11, line 20).
- As to claims 2, 6, and 11-13, the teaching in Paneth et al encompasses the claimed limitations.

- As to claims 4 and 14, a frame in Paneth et al comprising a master slot (RCC slot), a command slot (4-ary slot) and a plurality of data slots (16-ary slots).
- As to claims 18-19, 27, 42 and 50, the teaching in Paneth et al encompasses the claimed limitations.
- As to claims 77-79, 83-84, the teaching in Paneth et al encompasses the claimed limitations.

*Allowable Subject Matter*

7. Claims 7-8, 20-23, 24-26, 28-31, 32-34, 35-41, 43-44, 45-49, 80-82, 85-87, 90-92 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

8. The following is an examiner's statement of reasons for allowance: the prior art of the record fail to teach that the system further comprising a MAC unit/hardware interface (as recited in claims 20, 28, 35); that the transmitters are structured and configured to emit RF pulses operating with ultra-wide band wireless technology and said receivers are structured and configured to receive RF pulses (as recited in claims 24, 32, 45, 81, 86 and 90); and that said transmitters are structured and configured to transfer data to other said receivers isochronously (as recited in claims 43, 48, 80, 85 and 92).

9. Claims 51-75, 88-89 and 93-103 are allowed.

10. The following is an examiner's statement of reasons for allowance: the prior art of the record fail to teach that the system further comprising a MAC unit/hardware interface as recited in claims 51 and 93.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MAIKHANH T. TRAN whose telephone number is 703-308-7911. The examiner can normally be reached on MON-FRI 8:30AM - 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, WELLINGTON CHIN can be reached on 703-305-4366. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-3988.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4700.

Maikhanh Tran

May 6, 2001



WELLINGTON CHIN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600